BIOTECHNOLOGY
SYSTEMS
BRANCH

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _09/977,615_

Source: _OIPE_

Date Processed by STIC: _6-19-03_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
> **http://www.uspto.gov/web/offices/pac/checker**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , EFS Submission User Manual - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry directly to:**
   U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
   > Or
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 04/24/2003
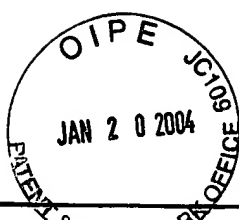
Raw Sequence Listing Error Summary

ERROR DETECTED   **SUGGESTED CORRECTION**   SERIAL NUMBER: 09/977,615

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____Wrapped Nucleics   The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
   Wrapped Aminos   was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
                        prevent "wrapping."

2____Invalid Line Length   The rules require that a line not exceed 72 characters in length. This includes white spaces.

3____Misaligned Amino   The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
   Numbering   use space characters, instead.

4____Non-ASCII   The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please
   .ˑTI.   ensure your subsequent submission is saved in ASCII text.

5____Variable Length   Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules,
                        each n or Xaa can only represent a single residue. Please present the maximum number of each
                        residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____PatentIn 2.0   A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
   "bug"   sequences(s) _____. Normally, PatentIn would automatically generate this section from the
                        previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
                        the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for
                        Artificial or Unknown sequences.

7____Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence:
   (OLD RULES)   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
                        (i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
                        (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
                        This sequence is intentionally skipped

                        Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8____Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
   (NEW RULES)   <210> sequence id number
                        <400> sequence id number
                        000

9____Use of n's or Xaa's   Use of n's and/or Xaa's have been detected in the Sequence Listing.
   (NEW RULES)   Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
                        In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.

10___Invalid <213>   Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
   Response   scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
                        is Artificial Sequence

11____Use of <220>   Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses.
                        Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
                        "Unknown." Please explain source of genetic material in <220> to <223> section.
                        (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12____PatentIn 2.0   Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
   "bug"   resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
                        listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13____Misuse of n   n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent
                        any value not specifically a nucleotide.

AMC/MH – Biotechnology Systems Branch – 08/21/2001

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/977,615

DATE: 06/19/2003
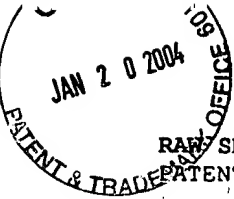TIME: 15:21:03

Input Set : A:\09977615 Sequence Listing.txt
Output Set: N:\CRF4\06192003\I977615.raw

```
 3 <110> APPLICANT: Grenier, Jennifer
 4         Marshall, David
 5         Prudent, James
 6         Richmond, Craig
 7         Roesch, Eric
 8         Scherrer, Christopher
 9         Sherrill, Christopher
10         Ptacin, Jerod
12 <120> TITLE OF INVENTION: SOLID SUPPORT ASSAY SYSTEMS AND METHODS UTILIZING NON-
NATURAL BASES
14 <130> FILE REFERENCE: 031403-9012
16 <140> CURRENT APPLICATION NUMBER: 09/977,615
17 <141> CURRENT FILING DATE: 2001-10-15
19 <150> PRIOR APPLICATION NUMBER: 60/240,397
20 <151> PRIOR FILING DATE: 2000-10-14
22 <150> PRIOR APPLICATION NUMBER: 60/282,831
23 <151> PRIOR FILING DATE: 2001-04-10
25 <150> PRIOR APPLICATION NUMBER: 09/861,292
26 <151> PRIOR FILING DATE: 2001-05-18
28 <150> PRIOR APPLICATION NUMBER: 60/293,259
29 <151> PRIOR FILING DATE: 2001-05-22
31 <160> NUMBER OF SEQ ID NOS: 156
33 <170> SOFTWARE: PatentIn version 3.0
35 <210> SEQ ID NO: 1
36 <211> LENGTH: 10
37 <212> TYPE: DNA
38 <213> ORGANISM: synthetic oligonucleotide
40 <220> FEATURE:
41 <221> NAME/KEY: modified_base
42 <222> LOCATION: (3)..(3)
43 <223> OTHER INFORMATION: n represents iso-guanine
46 <220> FEATURE:
47 <221> NAME/KEY: modified_base
48 <222> LOCATION: (6)..(6)
49 <223> OTHER INFORMATION: n represents iso-guanine
52 <400> SEQUENCE: 1
53 gangtntgtc                                                    10
56 <210> SEQ ID NO: 2
57 <211> LENGTH: 10
58 <212> TYPE: DNA
59 <213> ORGANISM: synthetic oligonucleotide
61 <220> FEATURE:
62 <221> NAME/KEY: modified_base
63 <222> LOCATION: (2)..(2)
```

W-->

Does Not Comply
Corrected Diskette Needed

The type of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

See Item #10 on Error Summary Sheet

RAW SEQUENCE LISTING   DATE: 06/19/2003
PATENT APPLICATION: US/09/977,615 TIME: 15:21:03

Input Set : A:\09977615 Sequence Listing.txt
Output Set: N:\CRF4\06192003\I977615.raw

```
  64 <223> OTHER INFORMATION: n represents iso-guanine
  67 <220> FEATURE:
  68 <221> NAME/KEY: modified_base
  69 <222> LOCATION: (6)..(6)
  70 <223> OTHER INFORMATION: n represents iso-guanine
  73 <400> SEQUENCE: 2
W-->  74 cngttnttcc                                                        10
  77 <210> SEQ ID NO: 3
  78 <211> LENGTH: 10
  79 <212> TYPE: DNA
  80 <213> ORGANISM: synthetic oligonucleotide    — See page 1
  82 <220> FEATURE:
  83 <221> NAME/KEY: modified_base
  84 <222> LOCATION: (3)..(3)
  85 <223> OTHER INFORMATION: n represents iso-guanine
  88 <220> FEATURE:
  89 <221> NAME/KEY: modified_base
  90 <222> LOCATION: (7)..(7)
  91 <223> OTHER INFORMATION: n represents iso-guanine
  94 <400> SEQUENCE: 3
W-->  95 ggnttgntag                                                        10
  98 <210> SEQ ID NO: 4
  99 <211> LENGTH: 10
 100 <212> TYPE: DNA
 101 <213> ORGANISM: synthetic oligonucleotide
 103 <220> FEATURE:
 104 <221> NAME/KEY: modified_base
 105 <222> LOCATION: (4)..(4)
 106 <223> OTHER INFORMATION: n represents iso-guanine
 109 <220> FEATURE:
 110 <221> NAME/KEY: modified_base
 111 <222> LOCATION: (6)..(6)
 112 <223> OTHER INFORMATION: n represents iso-guanine
 115 <400> SEQUENCE: 4
W--> 116 cttngntctc                                                        10
 119 <210> SEQ ID NO: 5
 120 <211> LENGTH: 10
 121 <212> TYPE: DNA
 122 <213> ORGANISM: synthetic oligonucleotide
 124 <220> FEATURE:
 125 <221> NAME/KEY: modified_base
 126 <222> LOCATION: (2)..(2)
 127 <223> OTHER INFORMATION: n represents iso-guanine
 130 <220> FEATURE:
 131 <221> NAME/KEY: modified_base
 132 <222> LOCATION: (6)..(6)
 133 <223> OTHER INFORMATION: n represents iso-guanine
 136 <400> SEQUENCE: 5
W--> 137 cntcangaac                                                        10
```
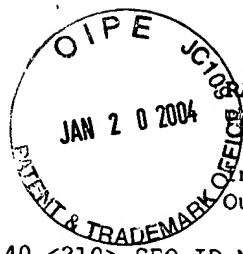
Input Set : A:\09977615 Sequence Listing.txt
Output Set: N:\CRF4\06192003\I977615.raw

```
140 <210> SEQ ID NO: 6
141 <211> LENGTH: 10
142 <212> TYPE: DNA
143 <213> ORGANISM: synthetic oligonucleotide
145 <220> FEATURE:
146 <221> NAME/KEY: modified_base
147 <222> LOCATION: (5)..(5)
148 <223> OTHER INFORMATION: n represents iso-guanine
151 <220> FEATURE:
152 <221> NAME/KEY: modified_base
153 <222> LOCATION: (8)..(8)
154 <223> OTHER INFORMATION: n represents iso-guanine
157 <400> SEQUENCE: 6
```
W--> 158 gtagntangc   10
```
161 <210> SEQ ID NO: 7
162 <211> LENGTH: 10
163 <212> TYPE: DNA
164 <213> ORGANISM: synthetic oligonucleotide  - See page 1
166 <220> FEATURE:
167 <221> NAME/KEY: modified_base
168 <222> LOCATION: (4)..(4)
169 <223> OTHER INFORMATION: n represents iso-guanine
172 <220> FEATURE:
173 <221> NAME/KEY: modified_base
174 <222> LOCATION: (6)..(6)
175 <223> OTHER INFORMATION: n represents iso-guanine
178 <400> SEQUENCE: 7
```
W--> 179 ggangntaac   10
```
182 <210> SEQ ID NO: 8
183 <211> LENGTH: 10
184 <212> TYPE: DNA
185 <213> ORGANISM: synthetic oligonucleotide
187 <220> FEATURE:
188 <221> NAME/KEY: modified_base
189 <222> LOCATION: (2)..(2)
190 <223> OTHER INFORMATION: n represents iso-guanine
193 <220> FEATURE:
194 <221> NAME/KEY: modified_base
195 <222> LOCATION: (7)..(7)
196 <223> OTHER INFORMATION: n represents iso-guanine
199 <400> SEQUENCE: 8
```
W--> 200 cngtatngtg                                          10
```
203 <210> SEQ ID NO: 9
204 <211> LENGTH: 10
205 <212> TYPE: DNA
206 <213> ORGANISM: synthetic oligonucleotide
208 <220> FEATURE:
209 <221> NAME/KEY: modified_base
210 <222> LOCATION: (4)..(4)
```
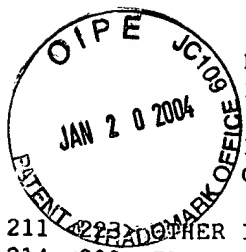
**RAW SEQUENCE LISTING**
**PATENT APPLICATION:** US/09/977,615

DATE: 06/19/2003
TIME: 15:21:03

Input Set : A:\09977615 Sequence Listing.txt
Output Set: N:\CRF4\06192003\I977615.raw

```
211 <223> OTHER INFORMATION: n represents iso-guanine
214 <220> FEATURE:
215 <221> NAME/KEY: modified_base
216 <222> LOCATION: (10)..(10)
217 <223> OTHER INFORMATION: n represents iso-guanine
220 <400> SEQUENCE: 9
```
W--> 221 **catnggtang**                                                10
```
224 <210> SEQ ID NO: 10
225 <211> LENGTH: 10
226 <212> TYPE: DNA
227 <213> ORGANISM: (synthetic oligonucleotide)
229 <220> FEATURE:
230 <221> NAME/KEY: modified_base
231 <222> LOCATION: (5)..(5)
232 <223> OTHER INFORMATION: n represents iso-guanine
235 <220> FEATURE:
236 <221> NAME/KEY: modified_base
237 <222> LOCATION: (9)..(9)
238 <223> OTHER INFORMATION: n represents iso-guanine
241 <400> SEQUENCE: 10
```
W--> 242 **gattntcgnc**                                                10
```
245 <210> SEQ ID NO: 11
246 <211> LENGTH: 10
247 <212> TYPE: DNA
248 <213> ORGANISM: (synthetic oligonucleotide)   — See page 1
250 <220> FEATURE:
251 <221> NAME/KEY: modified_base
252 <222> LOCATION: (4)..(4)
253 <223> OTHER INFORMATION: n represents iso-guanine
256 <220> FEATURE:
257 <221> NAME/KEY: modified_base
258 <222> LOCATION: (6)..(6)
259 <223> OTHER INFORMATION: n represents iso-guanine
262 <400> SEQUENCE: 11
```
W--> 263 **gttnangacc**                                                10
```
266 <210> SEQ ID NO: 12
267 <211> LENGTH: 10
268 <212> TYPE: DNA
269 <213> ORGANISM: (synthetic oligonucleotide)
271 <220> FEATURE:
272 <221> NAME/KEY: modified_base
273 <222> LOCATION: (2)..(2)
274 <223> OTHER INFORMATION: n represents iso-guanine
277 <220> FEATURE:
278 <221> NAME/KEY: modified_base
279 <222> LOCATION: (6)..(6)
280 <223> OTHER INFORMATION: n represents iso-guanine
283 <400> SEQUENCE: 12
```
W--> 284 **cngaangatc**                                                10
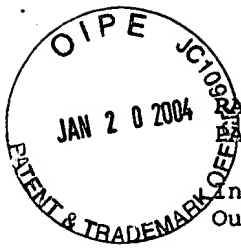
RAW SEQUENCE LISTING  
PATENT APPLICATION:   US/09/977,615

DATE: 06/19/2003  
TIME: 15:21:03

Input Set : A:\09977615 Sequence Listing.txt  
Output Set: N:\CRF4\06192003\I977615.raw

```
287 <210> SEQ ID NO: 13
288 <211> LENGTH: 10
289 <212> TYPE: DNA
290 <213> ORGANISM: (synthetic oligonucleotide)
292 <220> FEATURE:
293 <221> NAME/KEY: modified_base
294 <222> LOCATION: (4)..(4)
295 <223> OTHER INFORMATION: n represents iso-guanine
298 <220> FEATURE:
299 <221> NAME/KEY: modified_base
300 <222> LOCATION: (9)..(9)
301 <223> OTHER INFORMATION: n represents iso-guanine
304 <400> SEQUENCE: 13
W--> 305 caantacgnc   10
308 <210> SEQ ID NO: 14
309 <211> LENGTH: 10
310 <212> TYPE: DNA
311 <213> ORGANISM: (synthetic oligonucleotide) — See page 1
313 <220> FEATURE:
314 <221> NAME/KEY: modified_base
315 <222> LOCATION: (4)..(4)
316 <223> OTHER INFORMATION: n represents iso-guanine
319 <220> FEATURE:
320 <221> NAME/KEY: modified_base
321 <222> LOCATION: (8)..(8)
322 <223> OTHER INFORMATION: n represents iso-guanine
325 <400> SEQUENCE: 14
W--> 326 cggnatanac   10
329 <210> SEQ ID NO: 15
330 <211> LENGTH: 10
331 <212> TYPE: DNA
332 <213> ORGANISM: (synthetic oligonucleotide)
334 <220> FEATURE:
335 <221> NAME/KEY: modified_base
336 <222> LOCATION: (2)..(2)
337 <223> OTHER INFORMATION: n represents iso-guanine
340 <220> FEATURE:
341 <221> NAME/KEY: modified_base
342 <222> LOCATION: (6)..(6)
343 <223> OTHER INFORMATION: n represents iso-guanine
346 <220> FEATURE:
347 <221> NAME/KEY: modified_base
348 <222> LOCATION: (7)..(7)
349 <223> OTHER INFORMATION: n represents iso-guanine
352 <400> SEQUENCE: 15
W--> 353 gnaaannagg   10
356 <210> SEQ ID NO: 16
357 <211> LENGTH: 10
358 <212> TYPE: DNA
```
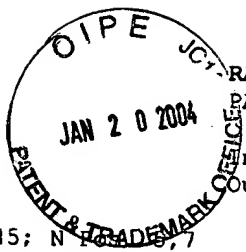
RAW SEQUENCE LISTING ERROR SUMMARY          DATE: 06/19/2003
PATENT APPLICATION:   US/09/977,615         TIME: 15:21:04

Input Set : A:\09977615 Sequence Listing.txt
Output Set: N:\CRF4\06192003\I977615.raw

**Please Note:**

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the
Sequence Listing to ensure that a corresponding explanation is presented in the <220>
to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1;  N Pos. 3,6
Seq#:2;  N Pos. 2,6
Seq#:3;  N Pos. 3,7
Seq#:4;  N Pos. 4,6
Seq#:5;  N Pos. 2,6
Seq#:6;  N Pos. 5,8
Seq#:7;  N Pos. 4,6
Seq#:8;  N Pos. 2,7
Seq#:9;  N Pos. 4,9
Seq#:10; N Pos. 5,9
Seq#:11; N Pos. 4,6
Seq#:12; N Pos. 2,6
Seq#:13; N Pos. 4,9
Seq#:14; N Pos. 4,8
Seq#:15; N Pos. 2,6,7
Seq#:16; N Pos. 4,8,9
Seq#:17; N Pos. 2,6,9
Seq#:18; N Pos. 3,6
Seq#:19; N Pos. 3,4,7
Seq#:20; N Pos. 3,6
Seq#:21; N Pos. 5,8,9
Seq#:22; N Pos. 5,7
Seq#:23; N Pos. 5,8
Seq#:24; N Pos. 5,8
Seq#:25; N Pos. 5,7,8
Seq#:26; N Pos. 2,7
Seq#:27; N Pos. 2,4,9
Seq#:28; N Pos. 2,3,7
Seq#:29; N Pos. 5,8
Seq#:30; N Pos. 5,7
Seq#:31; N Pos. 3,7
Seq#:32; N Pos. 4,8
Seq#:33; N Pos. 4,9
Seq#:34; N Pos. 4,7,9
Seq#:35; N Pos. 2,7
Seq#:36; N Pos. 3,7
Seq#:37; N Pos. 2,7
Seq#:38; N Pos. 4,9
Seq#:39; N Pos. 3,4,9
Seq#:40; N Pos. 2,6
Seq#:41; N Pos. 2,6,9
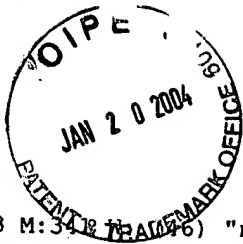Seq#:42; N Pos. 3,6
Seq#:43; N Pos. 4,8
Seq#:44; N Pos. 5,8

RAW SEQUENCE LISTING ERROR SUMMARY          DATE: 06/19/2003
PATENT APPLICATION:   US/09/977,615          TIME: 15:21:04

Input Set : A:\09977615 Sequence Listing.txt
Output Set: N:\CRF4\06192003\I977615.raw

Seq#:45;  N Pos. 5,7
Seq#:46;  N Pos. 4,8
Seq#:47;  N Pos. 2,7
Seq#:48;  N Pos. 3,6
Seq#:49;  N Pos. 3,7
Seq#:50;  N Pos. 3,4,9
Seq#:51;  N Pos. 2,7

Input Set : A:\09977615 Sequence Listing.txt
Output Set: N:\CRF4\06192003\I977615.raw

L:53 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0
L:74 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0
L:95 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:0
L:158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0
L:179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:200 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:242 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:305 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:353 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:380 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:428 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:455 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:0
L:476 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:503 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0
L:566 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:0
L:593 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:0
L:614 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
L:641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:0
L:668 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0
L:689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29 after pos.:0
L:710 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:731 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:752 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:773 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0
L:800 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
L:821 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:0
L:842 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36 after pos.:0
L:863 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37 after pos.:0
L:884 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:38 after pos.:0
L:911 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39 after pos.:0
L:932 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:40 after pos.:0
L:959 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:41 after pos.:0
L:980 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:0
L:1001 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:43 after pos.:0
L:1022 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:0
L:1043 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:45 after pos.:0
L:1064 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46 after pos.:0
L:1085 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:47 after pos.:0
L:1106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:48 after pos.:0

VERIFICATION SUMMARY
PATENT APPLICATION:   US/09/977,615

DATE: 06/19/2003
TIME: 15:21:04

Input Set : **A:\09977615 Sequence Listing.txt**
Output Set: **N:\CRF4\06192003\I977615.raw**

L:1127 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:49 after pos.:0
L:1154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50 after pos.:0